

Title (en)

METHOD AND APPARATUS FOR ESTABLISHING UPLINK MULTI-USER MULTI-INPUT MULTI-OUTPUT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFBAU VON UPLINK-MULTI-INPUT-MULTI-OUTPUT FÜR MEHRERE BENUTZER

Title (fr)

PROCÉDÉ ET APPAREIL POUR L'ÉTABLISSEMENT D'UNE ENTRÉE MULTIPLE SORTIE MULTIPLE MULTIUTILISATEUR DE LIAISON MONTANTE

Publication

**EP 3133859 A4 20170628 (EN)**

Application

**EP 14893637 A 20140530**

Priority

CN 2014078918 W 20140530

Abstract (en)

[origin: EP3133859A1] Embodiments of the present application provide an uplink multi-user multi-input multi-output establishment method, where the method includes: broadcasting, by a network side device, an uplink data sending announcement; receiving buffer information sent by a terminal that needs to send data, where the buffer information includes at least a sending level and a data sending length of to-be-sent data; determining, according to the buffer information, scheduling information for establishing uplink multi-user multi-input multi-output; and sending, to a terminal that is allowed to send data and selected from the terminal that needs to send data, a clear to send frame that carries the scheduling information, so that the terminal that is allowed to send data sends the to-be-sent data according to the scheduling information. The embodiments of the present application effectively implement uplink multi-user multi-input multi-output establishment, so that signaling interworking is reduced, resource overheads are reduced, and data sending efficiency is improved.

IPC 8 full level

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CPC (source: EP US)

**H04B 7/0452** (2013.01 - US); **H04J 13/00** (2013.01 - US); **H04L 27/2601** (2013.01 - US); **H04W 24/10** (2013.01 - US); **H04W 72/12** (2013.01 - US); **H04W 72/20** (2023.01 - EP US); **H04W 74/002** (2013.01 - EP US); **H04W 74/0816** (2013.01 - EP US); **H04W 76/40** (2018.02 - US)

Citation (search report)

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Designated contracting state (EPC)

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BA ME

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**EP 3133859 A1 20170222**; **EP 3133859 A4 20170628**; **EP 3133859 B1 20230712**; CN 106465168 A 20170222; CN 106465168 B 20191206; EP 4040901 A1 20220810; US 10405221 B2 20190903; US 11284283 B2 20220322; US 11956661 B2 20240409; US 2017070906 A1 20170309; US 2019357072 A1 20191121; US 2022248248 A1 20220804; WO 2015180131 A1 20151203

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**EP 14893637 A 20140530**; CN 2014078918 W 20140530; CN 201480078621 A 20140530; EP 22150221 A 20140530; US 201615357816 A 20161121; US 201916526067 A 20190730; US 202217675597 A 20220218